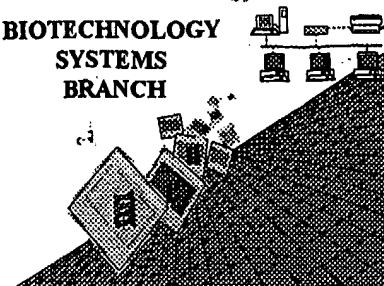


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TECH CENTER 1600/2900

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/554,945

Source: OIPF

Date Processed by STIC: 9/6/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

**Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/554,945

DATE: 09/06/2001

TIME: 15:07:52

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09062001\I554945.raw

Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: CHEN, JIA-LUN  
5 FU, GANG  
6 SONG, HUAI-DONG  
8 <120> TITLE OF INVENTION: A HUMAN HSG III GENE  
11 <130> FILE REFERENCE: CPA-100US  
13 <140> CURRENT APPLICATION NUMBER: 09/554,945  
14 <141> CURRENT FILING DATE: 2001-08-20  
16 <150> PRIOR APPLICATION NUMBER: PCT/CN98/00199  
17 <151> PRIOR FILING DATE: 1998-09-22  
19 <160> NUMBER OF SEQ ID NOS: 2  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 2017  
25 <212> TYPE: DNA  
26 <213> ORGANISM: HOMO SAPIENS  
W--> 27 <220> FEATURE: FEATURE delete - do not insert as alphabetical heading  
W--> 27 ~~<220> FEATURE: FEATURE~~ when using new  
28 <221> NAME/KEY: UNSURE sequence ruler  
29 <222> LOCATION: (1930)(1990)(2005) format.  
30 <223> OTHER INFORMATION: ~~OTHER INFORMATION~~ cDNA Sequence  
32 <400> SEQUENCE: 1 delete  
33 taaagctacg ccctggccgc agtctccgcg tcacaggaac ttcagcacc acagggcgga 60  
34 cagcgctccc ctctacctgg agacttgact cccgcgcgcc ccaaccctgc ttatcccttg 120  
35 accgtcgagt gtcagagatc ctgcagccgc ccagtcgccg cccctctccc gccccacacc 180  
36 caccctcctg gctcttcttg tttttactcc tccttttcat tcataacaaa agctacagct 240  
37 ccaggagccc agcgcggggc tgtgacccaa gccgagcgtg gaagaatggg gttcctcgga 300  
38 accggcactt ggattctggt gttagtgtc ccgattcaag ctttcccaa acctggagga 360  
39 agccaagaca aatctctaca taatagagaa ttaagtgcag aaagacctt gaatgaacag 420  
40 attgctgaag cagaagaaga caagattaaa aaaacatatc ctccagaaaa caagccaggt 480  
41 cagagcaact attcttttgg tgataacttg aacctgctaa gggcaataac agaaaaggaa 540  
42 aaaattgaga aagaaagaca atctataaga agctccccac ttgataataa gttgaatgtg 600  
43 gaagatgttg attcaaccaa gaatcgaaaa ctgatcgatg attatgactc tactaagagt 660  
44 ggattggatc ataaatttca agatgatcca gatggtcttc atcaactaga cgggactcct 720  
45 ttaaccgctg aagacattgt ccataaaatc gctgccagga tttatgaaga aaatgacaga 780  
46 gccgtgtttg acaagattgt ttctaaacta cttaatctcg gccttatcac agaaagccaa 840  
47 gcacatacac tggaagatga agtagcagag gttttacaaa aattaatctc aaaggaagcc 900  
48 aacaattatg aggaggatcc caataagccc acaagctgga ctgagaatca ggctggaaaa 960  
49 ataccagaga aagtgactcc aatggcagca attcaagatg gtcttgctaa gggagaaaa 1020  
50 gatgaaacag tatctaaccac attaaccttg acaaatggct tggaaaggag aactaaaacc 1080  
51 tacagtgaag acaactttag ggacttccaa tatttcccaa atttctatgc gctactgaaa 1140  
52 agtattgatt cagaaaaaga agcaaaagag aaagaaacac tgattactat catgaaaaca 1200  
53 ctgattgact ttgtgaagat gatggtgaaa tatggaaca tatctccaga agaaggtgtt 1260  
54 tcctaccttg aaaacttgga tgaaatgatt gctcttcaga ccaaaaacaa gctagaaaaa 1320  
55 aatgctactg acaatataag caagcttttc ccagcaccat cagagaagag tcatgaagaa 1380  
56 acagacagta ccaaggaaga agcagctaag atggaaaagg aatatggaag cttgaaggat 1440  
57 tccacaaaag atgataactc caaccagga ggaaagacag atgaaccaa aggaaaaaca 1500  
58 gaagcctatt tggaagccat cagaaaaaat attgaatggt tgaagaaaca tgacaaaaag 1560

The CRF program inserts alphabetical headings for clarity.

## RAW SEQUENCE LISTING

DATE: 09/06/2001

PATENT APPLICATION: US/09/554,945

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Input Set : A:\Seqlist.txt

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59 ggaaataaag aagattatga cctttcaaag atgagagact tcatcaataa acaagctgat 1620  
 60 gcttatgtgg agaaaggcat ccttgacaag gaagaagcgg aggccatcaa gcgcatttat 1680  
 61 agcagcctgt aaaaatggca aaagatccag gagtctttca actgtttcag aaaacataat 1740  
 62 atagcttaaa acacttctaa ttctgtgatt aaaatttttt gacccaaggg ttattagaaa 1800  
 63 gtgctgaatt tacagtagtt aaccttttac aagtggttaa aacatagctt tcttcccgt 1860  
 64 aaaactatct gaaagtaaag ttgtatgtaa gctgagattt tgtatacagg aatccttatt 1920  
 65 tctcatagn cttattattt tataatcagg aatatgttgc tttggaaaaa gcctcttaat 1980  
 66 gggctgacch taaaaactca atccntcttc cactgtc 2017  
 68 <210> SEQ ID NO: 2  
 69 <211> LENGTH: 468  
 70 <212> TYPE: PRT  
 71 <213> ORGANISM: HOMO SAPIENS  
 73 <400> SEQUENCE: 2  
 74 Met Gly Phe Leu Gly Thr Gly Thr Trp Ile Leu Val Leu Val Leu Pro  
 75 1 5 10 15  
 76 Ile Gln Ala Phe Pro Lys Pro Gly Gly Ser Gln Asp Lys Ser Leu His  
 77 20 25 30  
 78 Asn Arg Glu Leu Ser Ala Glu Arg Pro Leu Asn Glu Gln Ile Ala Glu  
 79 35 40 45  
 80 Ala Glu Glu Asp Lys Ile Lys Lys Thr Tyr Pro Pro Glu Asn Lys Pro  
 81 50 55 60  
 82 Gly Gln Ser Asn Tyr Ser Phe Val Asp Asn Leu Asn Leu Leu Arg Ala  
 83 65 70 75 80  
 84 Ile Thr Glu Lys Glu Lys Ile Glu Lys Glu Arg Gln Ser Ile Arg Ser  
 85 85 90 95  
 86 Ser Pro Leu Asp Asn Lys Leu Asn Val Glu Asp Val Asp Ser Thr Lys  
 87 100 105 110  
 88 Asn Arg Lys Leu Ile Asp Asp Tyr Asp Ser Thr Lys Ser Gly Leu Asp  
 89 115 120 125  
 90 His Lys Phe Gln Asp Asp Pro Asp Gly Leu His Gln Leu Asp Gly Thr  
 91 130 135 140  
 92 Pro Leu Thr Ala Glu Asp Ile Val His Lys Ile Ala Ala Arg Ile Tyr  
 93 145 150 155 160  
 94 Glu Glu Asn Asp Arg Ala Val Phe Asp Lys Ile Val Ser Lys Leu Leu  
 95 165 170 175  
 96 Asn Leu Gly Leu Ile Thr Glu Ser Gln Ala His Thr Leu Glu Asp Glu  
 97 180 185 190  
 98 Val Ala Glu Val Leu Gln Lys Leu Ile Ser Lys Glu Ala Asn Asn Tyr  
 99 195 200 205  
 100 Glu Glu Asp Pro Asn Lys Pro Thr Ser Trp Thr Glu Asn Gln Ala Gly  
 101 210 215 220  
 102 Lys Ile Pro Glu Lys Val Thr Pro Met Ala Ala Ile Gln Asp Gly Leu  
 103 225 230 235 240  
 104 Ala Lys Gly Glu Asn Asp Glu Thr Val Ser Asn Thr Leu Thr Leu Thr  
 105 245 250 255  
 106 Asn Gly Leu Glu Arg Arg Thr Lys Thr Tyr Ser Glu Asp Asn Phe Arg  
 107 260 265 270  
 108 Asp Phe Gln Tyr Phe Pro Asn Phe Tyr Ala Leu Leu Lys Ser Ile Asp  
 109 275 280 285

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Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09062001\I554945.raw

```

110 Ser Glu Lys Glu Ala Lys Glu Lys Glu Thr Leu Ile Thr Ile Met Lys
111      290                      295                      300
112 Thr Leu Ile Asp Phe Val Lys Met Met Val Lys Tyr Gly Thr Ile Ser
113 305                      310                      315                      320
114 Pro Glu Glu Gly Val Ser Tyr Leu Glu Asn Leu Asp Glu Met Ile Ala
115                      325                      330                      335
116 Leu Gln Thr Lys Asn Lys Leu Glu Lys Asn Ala Thr Asp Asn Ile Ser
117                      340                      345                      350
118 Lys Leu Phe Pro Ala Pro Ser Glu Lys Ser His Glu Glu Thr Asp Ser
119                      355                      360                      365
120 Thr Lys Glu Glu Ala Ala Lys Met Glu Lys Glu Tyr Gly Ser Leu Lys
121      370                      375                      380
122 Asp Ser Thr Lys Asp Asp Asn Ser Asn Pro Gly Gly Lys Thr Asp Glu
123 385                      390                      395                      400
124 Pro Lys Gly Lys Thr Glu Ala Tyr Leu Glu Ala Ile Arg Lys Asn Ile
125                      405                      410                      415
126 Glu Trp Leu Lys Lys His Asp Lys Lys Gly Asn Lys Glu Asp Tyr Asp
127                      420                      425                      430
128 Leu Ser Lys Met Arg Asp Phe Ile Asn Lys Gln Ala Asp Ala Tyr Val
129                      435                      440                      445
130 Glu Lys Gly Ile Leu Asp Lys Glu Glu Ala Glu Ala Ile Lys Arg Ile
131      450                      455                      460
132 Tyr Ser Ser Leu
133 465

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## VERIFICATION SUMMARY

DATE: 09/06/2001

PATENT APPLICATION: US/09/554,945

TIME: 15:07:53

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09062001\I554945.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:27 M:283 W: Missing Blank Line separator, <220> field identifier  
L:27 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1